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| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                 |              |               |               | Kinnard et al.                          |               |          |                          |                |                                                  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                 | 15 OE1       | <u> </u>      |               | 9/16/2003                               |               |          | <u>15'</u>               | <u>,5</u>      |                                                  |  |
| U.S. PATENT DOCUMENTS  TRADELLE TRADELL |                      |                 |              |               |               |                                         |               |          |                          |                |                                                  |  |
| *EXAMINER<br>LINITIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      | DOCUMENT NUMBER |              | DATE          | NAME          |                                         | CLASS         | SUBCLASS |                          | IF APPROPRIATE |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 4,483,654       |              | 11-1984       | Koch et       | ; al.                                   |               |          |                          |                |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 4,584,045       |              | 04-1986       | Richards      |                                         |               |          | <u> </u>                 |                |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 4,728,252       |              | 03-1988       | Lada et al.   |                                         |               |          |                          | <u> </u>       |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 4,749,330       |              | 06-1988       | Hine          |                                         |               |          |                          | ļ              |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 5,083,896       |              | 01-1992       | Uehara        | et al.                                  |               |          |                          |                |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 5,223,112       |              | 06-1993       | Tepmar        | n                                       |               |          |                          |                |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 5,902,088       |              | 05-1999       | Fairbai       | rn et al.                               |               |          |                          | <u> </u>       |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 5,997,235       |              | 12-1999       | Hofmei        | ster                                    |               |          |                          |                |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 6,235,656       |              | 05-2001       | Clarke        |                                         |               |          |                          |                |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | 6,250,869       |              | 06-2001       | Kroeke        | r                                       |               |          | 1                        |                |                                                  |  |
| V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      | 6,350,097 02-2  |              | 02-2002       | Mitchel       | ll et al.                               | 1             |          | <u> </u>                 |                |                                                  |  |
| <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <del></del>          |                 |              | FORE          | EIGN PATE     | ENT DOCUMENTS                           |               |          |                          |                |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DOCUMENT NUMBER DATE |                 |              | DATE          | COUNTRY       |                                         |               | su       | JBCLASS                  | TRANSI<br>YES  | LATION                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <del> </del>         |                 |              |               | <del> </del>  |                                         |               | _        |                          |                |                                                  |  |
| <u>-</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ┼                    |                 | <del></del>  | <del> </del>  | <del> </del>  |                                         |               |          |                          | -              |                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <del></del>          |                 |              |               | <del> </del>  | -                                       | <u> </u>      |          |                          | <b> </b>       | <del>                                     </del> |  |
| I . <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |                 |              |               |               |                                         |               |          |                          |                |                                                  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>T</b>             | <u>Г</u>        |              | 11111111111   | 79 7 10 11 12 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |               |          |                          |                |                                                  |  |
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| EXAMINER J. Kelnan DATE CONSIDERED 2/9/05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                 |              |               |               |                                         |               |          |                          |                |                                                  |  |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                 |              |               |               |                                         |               |          |                          |                |                                                  |  |

Form PTO-A820 (also form PTO-1449) P09C/REV03

Patent and Trademark Office \* U.S. DEPARTMENT OF COMMERCE

| · ·                                                                                                                                                                                                                                       |                                                                   | / 0                     | ATTY DOCKET NO.<br>ATI-0006-D1 | SERIAL NO.<br>10/663,519 |                             |            |                                       |            |             |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------|--------------------------------|--------------------------|-----------------------------|------------|---------------------------------------|------------|-------------|--|--|
|                                                                                                                                                                                                                                           | INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) |                         |                                |                          | Kinnard et al.              |            |                                       |            |             |  |  |
|                                                                                                                                                                                                                                           |                                                                   |                         |                                |                          | FILING                      |            | GROUP 3652                            |            |             |  |  |
| U.S. PATENT DOCUMENTS                                                                                                                                                                                                                     |                                                                   |                         |                                |                          |                             |            |                                       |            |             |  |  |
| *EXAMINER                                                                                                                                                                                                                                 | A TRACE                                                           |                         |                                |                          |                             | CLASS      | CLASS SUBCLASS                        |            | FILING DATE |  |  |
| INITIAL                                                                                                                                                                                                                                   |                                                                   |                         |                                | S14 -4                   |                             |            | <del> </del>                          | IF APPROPR | IATE        |  |  |
| 410                                                                                                                                                                                                                                       |                                                                   | 6,450,757               | 09-2002                        | Saeki et                 | 81.                         |            |                                       | <u> </u>   |             |  |  |
| ZK                                                                                                                                                                                                                                        |                                                                   | 6,464,448               | 10-2002                        | На                       |                             |            | <del></del>                           |            |             |  |  |
| MZ                                                                                                                                                                                                                                        |                                                                   | 5,883,017               | 03-1999                        | Tepman et al.            |                             |            |                                       |            |             |  |  |
| 0                                                                                                                                                                                                                                         |                                                                   |                         |                                |                          |                             |            |                                       |            |             |  |  |
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| <u>.                                    </u>                                                                                                                                                                                              | <br> <br>                                                         |                         |                                |                          |                             |            |                                       |            |             |  |  |
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|                                                                                                                                                                                                                                           | <u> </u>                                                          |                         |                                |                          |                             |            | _                                     |            |             |  |  |
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|                                                                                                                                                                                                                                           | <del></del>                                                       |                         | FORE                           | EIGN PATE                | INT DOCUMENTS               | <u> </u>   | 1                                     | TRANSI     | ATION       |  |  |
|                                                                                                                                                                                                                                           |                                                                   | DOCUMENT NUMBER         | DATE                           | COUNTRY                  |                             |            | SUBCLASS                              | YES        | NO _        |  |  |
|                                                                                                                                                                                                                                           |                                                                   |                         |                                |                          |                             |            |                                       |            |             |  |  |
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|                                                                                                                                                                                                                                           | <u> </u>                                                          | OTHER DOCUM             | I<br>ENTS (Includir            | ng Autho                 | r, Title, Date, Pertinent F | Pages, Etc | <br>:.)                               |            |             |  |  |
| AK                                                                                                                                                                                                                                        |                                                                   | Patent Abstract for 1-6 | _ · _ ·                        |                          | <u> </u>                    | -          |                                       |            |             |  |  |
| $Q_{i-1}$                                                                                                                                                                                                                                 |                                                                   |                         |                                |                          |                             |            |                                       |            |             |  |  |
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|                                                                                                                                                                                                                                           |                                                                   |                         |                                |                          |                             |            |                                       |            |             |  |  |
| EXAMINER J. Krenan                                                                                                                                                                                                                        |                                                                   |                         |                                |                          | DATE CONSIDERED 2/9/05      |            |                                       |            |             |  |  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                                                   |                         |                                |                          |                             |            |                                       |            |             |  |  |

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